

Soleidae

Brachius annularis n. f.

megalepidoura n. f.

Cynoglossidae

Cynoglossus philippinus n. f.

Symphurus marmoratus n. f.

~~Tropaplatycephalus armatus~~
P. 3957

~~Lepidotrachelus macrobrachium~~
P. 5442

" ~~Philippinus~~
P. 4388

~~Manophrictes nunti~~

59585 U.S.N.M.

~~Brachybenes atchemeri~~
P. 9652

~~Aplousoides Philippinus~~
~~P. 3753~~

- 22 *Scorpaena* ~~*rugulipes*~~ n. 7 (3)
- 23 " ~~*gibberifrons*~~ n. 7 (2)
- 24 " ~~*nyctadampi*~~ n. 7 (1)
- 25 *Scorpaenopsis* ~~*thyma*~~ n. 7 -
- 26 " ~~*poliiceps*~~ n. 7 -
- 27 " ~~*cypho*~~ n. 7 -
- 28 " ~~*infans*~~ ~~*dorsalis*~~ n. 7 -
- 29 *Scorpaenopsis* ~~*ella*~~ ~~*ornata*~~ n. 7 -
- 30 *Phenacoscopus* ~~*megakops*~~ n. 7 -
- 31 *Hipposcopus* ~~*filamentosa*~~ n. 7 -
- 32 *Nemaphys* ~~*tentaculata*~~ n. 7 -
- 33 *Amniscopus* ~~*fallidus*~~ n. 7 -
- 34 *Pteropoda* ~~*potamian*~~ n. 7 -
- 35 *Brachypleura* ~~*peruviana*~~ n. 7 -
- 36 *Nemaphys* ~~*biocellata*~~ n. 7 -
- 37 *Scorpaenopsis* ~~*cypho*~~ n. 7 -
- 38 *Trinacrus* ~~*supra*~~ n. 7 -
- 39 *Protopodatus* ~~*cypho*~~ n. 7 -
- 40 *Aplousia* ~~*filamentosa*~~ n. 7 -
- 41 *Cymbaplatys* ~~*armatus*~~ n. 7 -

- 60 *Monoplichthys* ~~proserpin~~ n. 2.
 42 *Brachyamblydion* ~~apichinense~~ n. 2.
 43 *Monoplichthys* ~~gregoryi~~ n. 2.
 44 " ~~smithi~~ n. 2.
 45 *Lepidotrigla* ~~glucina~~ n. 2.
 46 " ~~venusta~~ n. 2.
 47 " ~~pectoralis~~ n. 2.
 48 " ~~macrobrachium~~ n. 2.
 49 " ~~philippinus~~ n. 2.
 50 " ~~pectoralis~~ n. 2.
 51 *Pachytrigla* ~~spadiceum~~ n. 2.
 52 *Brexitigla* ~~apanthanoplatys~~ n. 2.
 53 *Diplophistius* ~~megalocephalus~~ n. 2.
 54 *Diplophistius* ~~macrochelys~~ n. 2.
 55 *Diplophichthys* ~~hoplostus~~ n. 2.
 56 *Peristodion* ~~capitulum~~ n. 2.
 57 *Satyrichthys* ~~clavipes~~ n. 2.
 58 " ~~parce~~ n. 2.
 59 *Neoperistodion* ~~tentaculatus~~ n. 2.

- 60 *Coryphæus* ~~halleri~~ n. 2.
 61 *Loxognathus* ~~philippinus~~ n. 2.
 62 *Parabrahmachthys* ~~halleri~~ n. 2.
 63 *Pentapus* ~~lineatus~~ n. 2.
 64 *Schizothorax* ~~philippinus~~ n. 2.

Lophobranchii

Syngnathidae

- 8 *Eunkerocampus pustuliferus* n. s.
- 9 *Syngnathus micranotopterus* n. s.
- 10 *Ethyocampus philippinus* n. s.

Macrorhamphoidae

macrorhamphoidae n. s. f. First dorsal spine quite short.

macrorhamphoides Lacépède 1803

notopogon Regan 1914

centriscoptis Gill 1862

Scolopacichthysinae n. s. f. First D. spine $\frac{2}{3}$ long as second, which long as head, distance from head to caudal or depth of body.

Scolopacichthys Regan 1914

• 11. *Bathypneustes sinuatus* n. s.

• 12 *Brama leucostemus* n. s.

• 13 *Benthodesmus philippinus* n. s.

Aliax Swinhonis

Branchiostegus n. s.

• 14 *Maripis pectoratus* n. s.

- 1 Bathyrhamphus malayanus n. 2 -
- 2 Bathychelys megaceps n. 1 -
- 3 " gracilis n. 2 -
- Trachichthyinae
- 4 Gephyroberyx philippinus n. 1 -
- Paratrachichthyinae
- Aulotrachichthys (Paratrachichthys)
- 5 Paratrachichthys latius n. 1 -
- Aulohopllostethus (Hopllostethus)
- 6 Hoplostethus melanopterus n. 2 -
- 7 " metallicus n. 2 -
- 8 Chirocentrus fuscescens n. 1 -
- 9 Xiphocheilus micronotus n. 1 -
- 10 Ichthyocampus philippinus n. 1 -
- Macrorhamphosinae
- Leolapaeichthyinae
- 11 Bathyrhamphus macrocephalus n. 9. + 1 sp.
- 12 Brama leucostoma n. 2 -
- 13 Benthodermis philippinus n. 1 -
- 14 Serranus pectoralis n. 1 -
- 15 Cirrhitichthys analis n. 1 -
- 16 Amblycirrhitus indicus n. 1 no fig.
- 17 Hoplostethus longipinnatus n. 1 -
- 18 Sebastes ~~caeruleus~~ caeruleus n. 1 -
- 19 Xiphocheilus ~~leucostoma~~ leucostoma n. 1 (6)
- " ~~fulvifrons~~ fulvifrons n. 1 (5)
- 20 24 " 30
- 21 8 " 40
- 22 1 8 " 40
- 23 33 72
- 24 65
- 25 100
- 26 165
- 27 120
- 28 165
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- 100 165

Scorpaena Linnaeus

Malacanthidae

Cepolidae

Cirrhitidae

Cheilodactylidae

8 pt. Leaded

Follow—Incl Caps

475

134789

494

6783. # Tictauan Island, east of Zamboanga. September 8, 1909. Length 278 mm.

Lower gill rakers 17.

19780. # Gomomo Island, Pitt Passage. December 3, 1909. Length 129 mm.

6575 U.S.N.M. # Bonin Islands. William Stimpson. Length 115 mm.

19239 U.S.N.M. # Fanning Islands. Dr. T.H. Streets. Length 260 mm.

29662 U.S.N.M. # Johnston Island. Length 360 mm. Type of Upeneus preorbitalis.

30579 U.S.N.M. # New Guinea. Australian Museum. Length 214 mm. Lower gill

rakers 21.

34806 U.S.N.M. # Apia, Samoa. Dr. W.H. Jones. Length 237 mm.

51105 U.S.N.M. # Hawaiian Islands. Bureau of Fisheries (No. 03781). Length

188 mm.

51982 U.S.N.M. # Negros, Philippines. Dr. Bashford Dean. Length 210 mm. Lower

gill rakers 17.

1.

Bathyclupeidae

02. *Bathyclupea megaceps* n. sp.
03. " *gracilis* n. sp.

Trachichthyidae

Trachichthyinae. Vent normally situated,
at least between ventrals

Trachichthys Shaw + nodder 1799

Hoplostethus Val. 1829

04. *Gephyroberyx* Boul. 1902 [*G. philippinus* n. sp.]

Leiogaster Weber 1913

Korogaster Parr 1933

Paratrachichthyinae Vent more advanced,
close behind ventral bases; abdominal
ferrae behind vent

05. *Paratrachichthys* Waite 1899

Hoplostethus

Hoplostethus n. subgenus. Body without
silvery lateral tube-like striae on
under surfaces. (*H. mediterraneus* Val.)

06. *Onchoplostethus* n. subg. [*H. melanopterus* n. sp.]
Silvery
lateral tube-like striate areas on chest,
breast, prepectoral region and along
abdominal edge.

07. (*Onchoplostethus* + *Hoplostethus*)
H. metallicus n. sp.

Bathyseriops ^{not valid} new genus

Body elongate ovate, compressed.
Head small, truncated in front. Snout short, convex.
Eye large, before middle in head, deeper than long. Mouth small, low, jaws equal. Teeth very minute, form simple cutting edge, none on palate or tongue. Nostrils together, largely face forward, posterior deep vertical slit. Mandibular ramus but little elevated inside mouth.
Gill rakers attenuated, 15 below. Scales very deciduous, moderate, cycloid, irregular. Sides of head with few scales, otherwise naked. Lateral line axial, complete, tubes simple,

Lein

moderate. Dorsal spines all uniformly low and short, anterior rays elevated. Anal like soft dorsal. Caudal peduncle short. Paired fins small. Caudal moderate, with well developed rudimentary rays. Type Bathyseriola siniceps Fowler.

Related to Bathyseriola Alcock 1890, from which it differs in the entirely different physiognomy, large eye, large scales and smaller paired fins.

Bathyseriola ^{simiceps} ~~megalops~~ new species

depth 3; head $3\frac{1}{3}$, width $1\frac{3}{4}$.

Snout 5 in head, end rather deeply truncate, length $1\frac{1}{2}$ in eye; eye 3, horizontal diameter $1\frac{1}{5}$ in vertical diameter, or $1\frac{1}{3}$ in interorbital; maxillary reaches $\frac{1}{8}$ in eye; length $4\frac{1}{8}$ in head; teeth minute, form close set and firm, even, trenchant cutting edge; interorbital $2\frac{4}{5}$, elevated convexly; preopercle edge convex. Gill rakers 4 + 15, lanceolate, $1\frac{2}{3}$ in eye; gill filaments $\frac{4}{5}$ of gill rakers.

Scales 52 in lateral line to caudal base; ^(pockets) 10 above, 13 below, 11 predorsal forward opposite hind eye edge. Cheek, opercle and postocular with few large scales. Most of vertical

fins scaly basally. Scales with 2 or 3 basal radiating striae; circuli small, complete or only slightly obscured apically.

D. VII, 28, spines subequally short, fin height anteriorly $2\frac{1}{2}$ in head; A. III, 27, fin height $2\frac{7}{8}$; caudal 1, well forked; least depth of caudal peduncle $2\frac{3}{4}$; pectoral $1\frac{3}{5}$, rays I, 17; ventral rays I, 5, fin $3\frac{3}{4}$? in head.

Dark violaceous brown generally. Iris brown. Fins brownish. Inside gill opening blackish brown.

U. S. N. M., No. D. 5619.

Albatross Collection. L. T. 3557.

November 22, 1909. Length 170 mm.
Type.

Bombropt filifer n. 2 -

(P) 3095 (136) D. 5412. Mar. 23.09

3096 (217) " "

3097 (198) " "

3098 (249) " "

3099 (177) " "

3336 (138) D. 5418 Mar. 25, 09

3337 (183) " "

3338 (219) " "

3339 (238) " "

3422 (148) D. 5520 Aug. 10.09

3444 (134) D. 5542 " 20 "

3549 (216) D. 5440 May 10.09

4375 (111) D. 5244 May 15, 1908

4222 (98) D. 5655 Dec. 18.09

3782 (168) D. 5626 Nov. 29.09

(M) 4678 (228) D. 5110 Jan. 15, 1908

5596 (260) D. 5216. Apr. 26, 1908

(P) 3964 (85) D. 5462 Mar. 23.09

~~6675 88-249~~

Bembrops filifer n. r.

P { 2012 (123) D. 5502 Aug. 4. 09
2636 (226)

2224 (154) D. 5519 Aug. 9. 09

2225 (88)

"

"

2226 (75)

"

"

2227 (90)

"

"

{ 2282 (168)

D. 5409 Mar. 18. 09

{ 2283 (190)

"

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2307 (176)

D. 5402 Mar. 16. 09

{ 2322 (119)

D. 5396 Mar. 15, 1909

{ 2323 (119)

"

"

2380 (183)

D. 5292 July 23, 1908

~~2538 (216)~~

~~D. 5417 Mar. 25, 1909~~

~~2539 (198)~~

"

"

2561 (24-66-68)

D. 5444 June 3. 09

2605 (227)

D. 5501 Aug. 4. 09

{ 2824 (145)

D. 5403 Mar. 16. 09

{ 2825 (173)

"

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Humboldt filifer n-2.

{ 2826 (141)	D. 5403	Mar-16-09
2827 (170)	"	"
2828 (163)	"	"
2829 (154)	"	"
2917 (215)	D. 5372	Feb-24-09
{ 2986 (230)	D. 5374	Mar-2-09
{ 2987 (228)	"	"
2976 (118)	D. 5419	Mar-25-09
2977 (213)	"	"
2978 (219)	"	"
1536 (233)	D. 5575	Apr-23-09
1537 (173)	"	"
{ 1592 (214)	D. 5576	Aug-9-09
1594 (186)	"	"
1595 (63)	"	"
1596 (125)	"	"
1597 (176)	"	"
1598 (91)	"	"
1599 (158)	"	"
1593 (150)	"	"

Bembrops filifer n. sp.

- (P) 1668 (145) D. 5503 Aug. 4. 09
{ 1723 (224) D. 5508 Aug. 5. 09
1724 (238) " "
1780 (135) D. 5243 May 15, 08
1781 (98) " "
{ 1921 (158) D. 5417 Mar. 25. 09
1922 (131) " "
2538 (216) " "
2539 (198) " "
{ 1964 (134) D. 5255 May 18, 08
1965 (174) " "
1991 (238) D. 5222 Apr. 24, 08
{ 1995 (246) D. 5221 " "
1996 (160) " "
3006 (2.4.73-75) D. 5376 Mar. 2. 09
{ 3041 (212) D. 5411 Mar. 23. 09
3042 (190) " "
3043 (155) " "
3044 (168) " "
3045 (177) " "

Bembrops fulvus

1 sp. 58 mm. D. 5273. July 14, 1908

(P.) 2463 (86) D. 5476 June 24, 1909

1 ref. 93m. D. 5517 Aug 9. 1909

1 ex. (head ^{largely} broken off) 110 mm. - ?
D. 5260 June 3, 1908

270	5416	169	5517
143	5417	270	5508
162	5412	226	5503
159	5418	175	5516
172	5440	102	5520
199	5409	210	5542
308	5444	214	5502
192	5403	182	5519
175	5419	214	5501
165	5417		5575
			1375

5221	193
5222	195
5235	100
5244	171
5260	234
5272	162
5243	218
5273	114

~~5376~~ 137 ~~56~~ ~~26~~ ~~265~~ ~~5110~~ 135
~~5375~~ 152
~~5374~~ 190
~~5376~~ 90

